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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: T. Koshiol et al.

Title: SYNCHRONIZING CONTINUOUS SIGNALS AND DISCRETE EVENTS FOR AN IMPLANTABLE MEDICAL DEVICE

Docket No.: 279.662US1

Serial No.: 10/743,567

Filed: December 22, 2003

Due Date: N/A

Examiner: Unknown

Group Art Unit: 3762

**MS Amendment**

Commissioner for Patents

P.O. Box 1450


Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

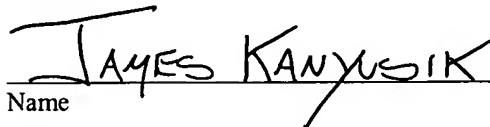
- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (2 pgs.).
- ☒ An Information Disclosure Statement (2 pgs.), Form 1449 (3 pgs.), and copies of 6 cited documents, including the International Search Report in the corresponding PCT Application No. PCT/US2004/042269.

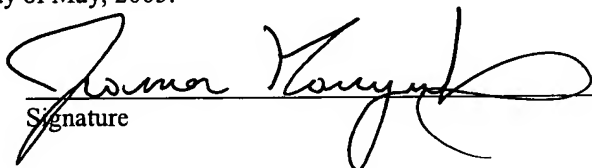
If not provided in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer Number 21186

By:   
Atty: Suneel Arora  
Reg. No. 42,267

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 6TH day of May, 2005.

  
Name

  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
(GENERAL)

S/N 10/743,567



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Allan T. Koshio et al. Examiner: Unknown  
Serial No.: 10/743,567 Group Art Unit: 3762  
Filed: December 22, 2003 Docket: 279.662US1  
Title: SYNCHRONIZING CONTINUOUS SIGNALS AND DISCRETE EVENTS FOR  
AN IMPLANTABLE MEDICAL DEVICE

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COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/382,154	August 22,	279.216US1	EVENT MARKER ALIGNMENT BY
6,535,763	1999		INCLUSION OF EVENT MARKER
			TRANSMISSION LATENCY IN THE
			REAL-TIME DATA STREAM

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/743,567

Filing Date: December 22, 2003

Title: SYNCHRONIZING CONTINUOUS SIGNALS AND DISCRETE EVENTS FOR AN IMPLANTABLE MEDICAL DEVICE

Page 2

Dkt: 279.662US1

10/680,731

October 7, 2003 279.653US1

METHOD AND APPARATUS FOR  
MANAGING DATA FROM MULTIPLE  
SENSING CHANNELS

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicant requests that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,

ALLAN T. KOSHIOL ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6951

Date May 5, 2005

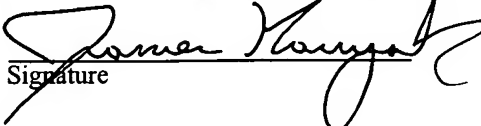
By

  
Suneel Arora

Reg. No. 42,267

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JAMES KANYUSIK  
Name

  
Signature

S/N 10/743,567



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Allan T. Koshiol et al.	Examiner:	Unknown
Serial No.:	10/743,567	Group Art Unit:	3762
Filed:	December 22, 2003	Docket:	279.662US1
Title:	SYNCHRONIZING CONTINUOUS SIGNALS AND DISCRETE EVENTS FOR AN IMPLANTABLE MEDICAL DEVICE		

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**INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the attached documents were discovered as a result of a Search Report in Applicants' corresponding foreign patent application. Enclosed for the Examiner's information is a copy of the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No :10/743,567

Filing Date: December 22, 2003

Title: SYNCHRONIZING CONTINUOUS SIGNALS AND DISCRETE EVENTS FOR AN IMPLANTABLE MEDICAL DEVICE

Page 2

Dkt: 279.662US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ALLAN T. KOSHIOL ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6951

Date May 5, 2005

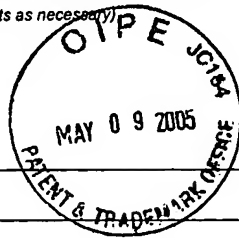
By   
Suneel Arora  
Reg. No. 42,267

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JAMES KANYUSIK  
Name

  
Signature

Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)



Complete if Known

Application Number	10/743,567
Filing Date	December 22, 2003
First Named Inventor	Koshiol, Allan
Group Art Unit	3762
Examiner Name	Unknown

Sheet 1 of 3

Attorney Docket No: 279.662US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2002/0077859 A1	06/20/2002	Stahmann, Jeffrey E., et al.	12/15/2000
	US-2002/0082509 A1	06/27/2002	Vanderlinde, S , et al.	12/26/2000
	US-2002/0151809 A1	10/17/2002	Conley, Vickie L., et al.	04/08/2002
	US-4,223,678	09/23/1980	Langer, A. A., et al.	05/03/1978
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**EXAMINER**

**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	Complete if Known: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>10/743,567</td> </tr> <tr> <td>Filing Date</td> <td>December 22, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Koshiol, Allan</td> </tr> <tr> <td>Group Art Unit</td> <td>3762</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> </table>	Application Number	10/743,567	Filing Date	December 22, 2003	First Named Inventor	Koshiol, Allan	Group Art Unit	3762	Examiner Name	Unknown
Application Number	10/743,567										
Filing Date	December 22, 2003										
First Named Inventor	Koshiol, Allan										
Group Art Unit	3762										
Examiner Name	Unknown										
Sheet 2 of 3	Attorney Docket No: 279.662US1										

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FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	EP-0565084A2	10/13/1993	Gilham, Jeffrey J.	
	EP-0711531A1	05/15/1996	Karlsson, P., et al.	
	EP-0850661A1	07/01/1998	Keimel, John G.	
	EP-1245248A2	10/02/2002	Levine, P. A., et al.	

EXAMINER

DATE CONSIDERED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

<b>Application Number</b>	10/743,567
<b>Filing Date</b>	December 22, 2003
<b>First Named Inventor</b>	Koshiol, Allan
<b>Group Art Unit</b>	3762
<b>Examiner Name</b>	Unknown

Sheet 3 of 3

Attorney Docket No: 279.662US1

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"International Search Report for corresponding PCT Application No. PCT/US2004/042269", (Attorney Docket No. 279.662WO1), (March 31, 2005), 5 pgs.	
		TANENBAUM, A. S., "Computer Networks", <u>Prentice-Hall, Inc., Englewood Cliffs, NJ, (1981), 125-128</u>	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached